

IZAR RDC VEHICLE LIGHT

RADIO RECEIVER

DIEHL
Metering



APPLICATION

IZAR RDC VEHICLE Light is a concentrator specifically designed for passive drive-by meter reading solutions.

IZAR RDC VEHICLE Light fits any type of vehicles (utility vehicle or other...) and reads autonomously, without driver intervention, every communicating multi-energy meter (water, thermal energy, gas, electricity...) equipped with the IZAR radio technology.

Connected to the vehicle power supply, IZAR RDC VEHICLE Light collects automatically the data and transfers them, via a mobile network, to a data storage server.

The data are then directly processed using the Diehl Metering IZAR@NET 2 or IZAR PLUS PORTAL management software.

FEATURES

- ▶ Available in 868 or 434 MHz
- ▶ Automatic meters reading
- ▶ Full autonomous
- ▶ Data transmission to FTP or SFTP server
- ▶ Automatic data export via 2G/3G
- ▶ Remote or local configuration

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OPERATING PRINCIPLE

IZAR RDC VEHICLE Light receives radio frames according to the EN 13757 standard and the OMS specification (Open Metering System), regardless of the measured fluid type (water, thermal energy, gas, electricity, temperature, humidity...).

The collected data are transferred automatically to an FTP or SFTP data storage server via the mobile network (2G/3G).

The Diehl Metering software solutions IZAR@NET 2 or IZAR PLUS PORTAL enable the processing and exploitation of this data.

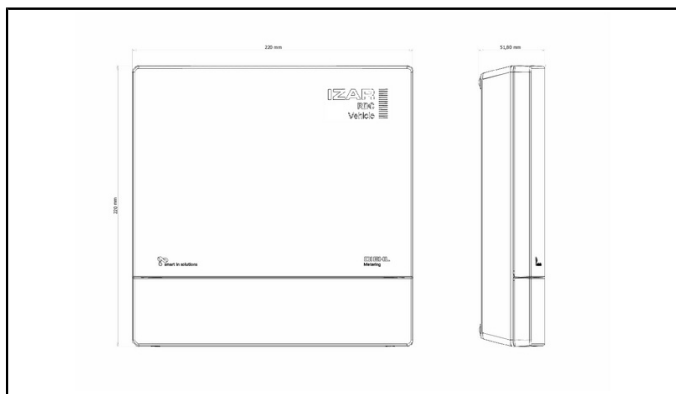
TECHNICAL DATA

| IZAR RDC VEHICLE Light | |
|-------------------------|--|
| Housing | Light grey with removable compartment |
| Frequency | MHz 868.95 (T1/C1 mode) or 434.475 (T1 mode only) |
| Communication protocols | OMS wMBus [EN 13757-3/-4] PRIOS |
| Type of fluid measured | Multi-energy (water, thermal energy, gas, electricity, temperature, humidity...) |
| Antennas | Internal or external (SMA connectors) |
| Connectivity | Via cable |
| Network | 2G/3G |
| Power supply | V (DC) External connector for powering from the vehicle (12 ... 24 V DC) |
| Events | Temperature |
| Configuration | Locally or remotely with a dedicated software (Windows) |

AMBIENT CONDITIONS

| IZAR RDC VEHICLE Light | |
|-------------------------------|--|
| Ambient operating temperature | °C -20 ... +70 |
| Storage temperature | °C -20 ... +70 |
| Ambient humidity | % 10 ... 90 |
| Protection class | IP 65 - outdoors installation possible |

DIMENSIONS



| IZAR RDC VEHICLE Light | |
|------------------------|----------|
| Length | mm 220 |
| Width | mm 220 |
| Height | mm 51.80 |